



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 N. Mineral Drive, Suite 100 • Coeur d'Alene, Idaho 83815
Phone: (208) 762-2800 • Fax: (208) 762-2819 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

October 18, 2011

Ray Hennekey
Idaho Department of Fish & Game
3316 16th St.
Lewiston, ID 83536

Re: Application For Permit to Appropriate the Public Waters of the State of Idaho
85-15683, Flying B Ranch

Dear Mr. Hennekey:

As you know, the Idaho Department of Water Resources (IDWR) advertised the above mentioned application for a new water right, as required by law and received no protests. IDWR, in response to Fish & Games concern over the affect groundwater pumping might have on Lawyer Creek did require the applicant to solicit a report by a professional geologist.

Flying B Ranch did supply a report that was finalized on September 19, 2011 by James Robinson, B.S. of Enviro Assess. The report concluded that there is a hydrological connection between Lawyer Creek and groundwater in the area. By shifting usage from Lawyer Creek to a groundwater well the report doesn't anticipate an adverse effect on either the creek or the groundwater supply.

Currently Flying B Ranch has a license to divert 3.1 cfs from Lawyer Creek to irrigate 155.2 acres. The Ranch is proposing to shift usage from the surface water source and divert 2.0 cfs from a well to irrigate 150 acres in the same location as the license. The idea for this shift is to maintain as much water in the creek as possible.

Based upon the additional information supplied from a professional source, IDWR is proceeding with the issuance of a permit.

If you have any questions, feel free to contact me at this office.

Thank you.

Sincerely,

COPY

Keith E Franklin
Interim Program Manager



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 N. Mineral Drive, Suite 100 • Coeur d'Alene, Idaho 83815

Phone: (208) 762-2800 • Fax: (208) 762-2819 • Web Site: www.idwr.idaho.gov

July 21, 2011

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

Joseph Peterson
C/o Flying B Ranch
2900 Lawyer Creek Rd
Kamiah, ID 83536

Re: Application For Permit to Appropriate the Public Waters of the State of Idaho
No. 85-15683

Dear Mr. Peterson:

As per our telephone conversation on July 18, 2011, the application for Flying B Ranch came out of advertising without a protest being filed. Even though the Department of Fish & Game didn't file a protest, the Idaho Department of Water Resources (IDWR) has to consider their concerns. Therefore, before a permit can be issued on the above mentioned application IDWR is going to require a report from a qualified consultant that addresses the following:

A determination as to the affect, if any, on Lawyer Creek if all or a part of water usage is substituted from Lawyer Creek, under license 85-7444 and used instead from a ground water source located in the SE1/4SE1/4 of Section 7, Township 33 North, Range 03 East, Boise Meridian.

Secondly, an analysis as to the affect to a spring, if any, used by the Idaho Department of Fish & Game for Right 85-11789 located in the SE1/4SW1/4SW1/4 of Section 9, Township 33 North, Range 03 East, Boise Meridian, if ground water is used under application 85-15683.

If adverse impacts are identified, corrective solutions should be outlined and discussed including mitigation efforts.

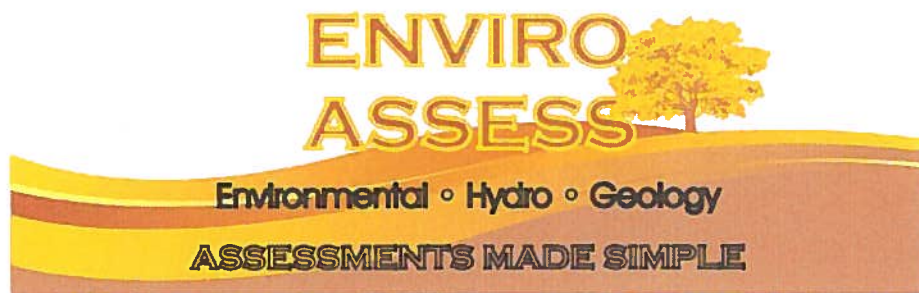
Please provide this information within the next 90 days so as not to further delay processing. If you have any questions, feel free to contact me at this office.

Thank you.

Sincerely,

COPY

Keith E Franklin
Interim Regional Program Manager



GEOLOGICAL REPORT

**FLYING B RANCH
2900 LAWYER CREEK
KAMIAH, ID 83536**

Project Number 2011-1097

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**GEOLOGICAL REPORT
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PLATES

Vicinity Map
Site Map
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Well Map

Flying B Ranch
Att: Joseph Peterson
2900 Lawyer Creek Road
Kamiah, ID 83536

Subject: GEOLOGICAL REPORT
 Flying B Ranch
 Attention: Joseph Peterson
 2900 Lawyer Creek Road
 Kamiah, ID 83536

Mr. Peterson:

As requested, we have prepared this letter report to present our professional opinion as to the Permit to Appropriate the Public Waters of the State of Idaho No. 85-15683. This letter has been produced to respond to the State of Idaho, Department of Water Resources Letter Dated July 21, 2011.

Opinions presented in this report are based on reports and work prepared by others (references provided), research conducted by Enviro Assess, and our general knowledge of the geologic and hydrological conditions in the site area. The opinions presented have been arrived at through the exercise of generally understood standard of care for our profession and standard of geology practice, as we understand it.

1. INTRODUCTION

Development

The site has been developed with a 14,000 sq. ft. lodge. Several Cabins, maintenance buildings, employee quarters, and a residence. Also a pond and several roads exist on the property.

2. PROJECT LOCATION

The subject site is located at 2900 Lawyer Creek Road, Kamiah, ID 83536 (Plate 1 and 2). The site is located at latitude and longitude of 46.213197° and -116.119821°. The property is located in Sections 7 and 8 of Township 33 North in Range 3 East of the Boise Meridian.

3. GEOLOGY/ SITE CHARACTERIZATION

Subsurface Geology

Underlying the site is the Basalt lava flows; Middle Miocene flood-basalt flows of subunit 2b; Columbia Plateau (Miocene). Miocene basalt flows of Western Idaho; commonly finely crystalline and exposed on upper slopes. Mantling the flood-basalts at the site is a varying thickness of Soil. (Plate 3).

Soils

Soils at the site are based on the data available from the Soil Survey conducted by the USDA. Approximately 25% percent of the site is covered with Jacket Silt Loam, 15% percent of the site is covered with Kettenbach-Gwin Complex and 60% of the site is covered with Tombeall Silt Loam.

Groundwater

Based on borehole logs in the general area of the bottom of the canyon, Basalts and Broken Basalts are encountered to between 65 feet and approximately 140 feet below the ground surface and underlying the upper basalt is an approximate 100 foot inter-bedded clay/shale layer is encountered. Underlying the clay/shale is a second Basalt zone. Groundwater is encountered in the second layer of Basalt.

Active Faulting

No active faults have been mapped traversing the subject property site. The location of active and potentially active faults within the region that could generate ground shaking at the site is depicted on Figure 1. The fault data has been provided by USGS for use in Google Earth.

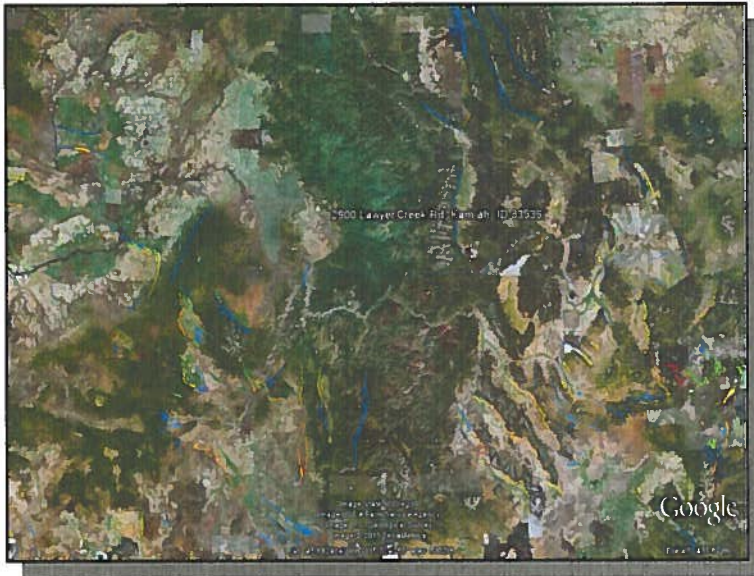


Figure 1. Historical Fault Map of Central Idaho.
(faults 1.6 million years and younger)

Seismology

The site is located in an area of lower seismic activity. The ANSS (Advanced National Seismic System, <http://www.ncedc.org/cnss/>) earthquake catalog was searched for earthquakes of local magnitude greater than 3.0 occurring since 1898 for a radius of 20 mi (32 km) surrounding the Site with the coordinates of 46.213197° and -116.119821°.

Table 1. ANSS Listed Earthquakes >3.0 Mag within 20 miles of the Subject Site.

Date	Time	Lat	Lon	Depth	Mag
1988/04/26	09:37:52.70	46.2340	-116.3900	12.10	3.10
1991/07/28	14:18:56.60	46.4140	-115.8370	0.60	3.20

The ANSS (Advanced National Seismic System, <http://www.ncedc.org/cnss/>) earthquake catalog was searched for earthquakes of local magnitude greater than 6.0 occurring since 1898 for a radius of 62.5 mi (100 km) surrounding the Site with the coordinates of 46.213197° and -116.119821°.

Table 2. ANSS Listed Earthquakes >6.0 Mag within 100 miles of the Subject Site.

Date	Time	Lat	Lon	Depth	Mag
No Events					

Hazardous Materials

No naturally occurring hazardous materials were identified, however, an environmental assessment was not conducted as part of this assessment.

4. RESPONSE TO IDWR

Water Right Transfer Discussion

Flying B Ranch has requested to transfer some of their water usage from the Lawyer Creek under license 85-7444 (info attached) to a groundwater well located in SE ¼ of SE ¼ of Section 7, Township 33 North, Range 3 East of the Boise Meridian. A change from the use of the surface water to a drilled groundwater well with no increase in total use of water will not cause any additional negative impact to the Lawyer Creek. This water has been removed from the creek prior to this application and no negative impacts have been observed or reported from this water use.

The groundwater from the well is recorded to be around 56° F, this is interpreted to be similar in temperature to the creek water. The well most likely is directly connected to the creek water via numerous flow pathways through the fractured Basalts which underlie the creek bed. Therefore, the well will not stress a previously untapped aquifer. In fact, the facility will continue to use its

water right from the Creek through this withdraw method. No adverse impacts are identified in the transfer of water removal from the creek itself to the nearby groundwater well.

Affects on a Nearby Spring Discussion

Part of the concern of transferring water usage from the Lawyer Creek under license 85-7444 to a groundwater well located in SE ¼ of SE ¼ of Section 7, Township 33 North, Range 3 East of the Boise Meridian, is the affects on a nearby spring. The spring is located in SE ¼ of the SW ¼ of the SW ¼ of Section 9, in Township 33 North, of Range 3 East of the Boise Meridian.

Based on the Water Right information available for the spring, the water is sourced from Lawyer Creek (Water Right info Attached).

Since the total water usage from the Creek is not anticipated to change from the prior use to the new withdrawal location, no new adverse impacts to the downstream spring is expected.

5. CONCLUSIONS

Based on the geological evaluation of the site, it appears that the transfer of water right usage from the Lawyer Creek to a nearby hydrologically connected groundwater well will not cause any adverse conditions to the Creek or to the downstream spring discussed above. In addition, since the well is anticipated to be connected to the creek, no stress is anticipated to be placed on a previously untapped aquifer.

6. LIMITATIONS

The recommendations of this report are based on the information provided regarding the subject property as well as the subsurface conditions encountered at the viewed well drillers logs.

The analysis, conclusions and recommendations contained in this report are based on the

site conditions as they existed at the time the site was researched. This report is applicable only for the project and site studied. Test findings and statements of professional opinion do not constitute a guarantee or warranty, expressed or implied.

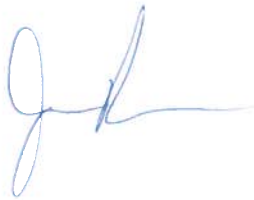
The scope of our services did not include any environmental assessment or soils investigation in the soil, surface water, groundwater or air, on or below or around this site.

7. PROFESSIONAL SIGNATURE

It has been a pleasure to be of service. If any questions arise, please contact our office.

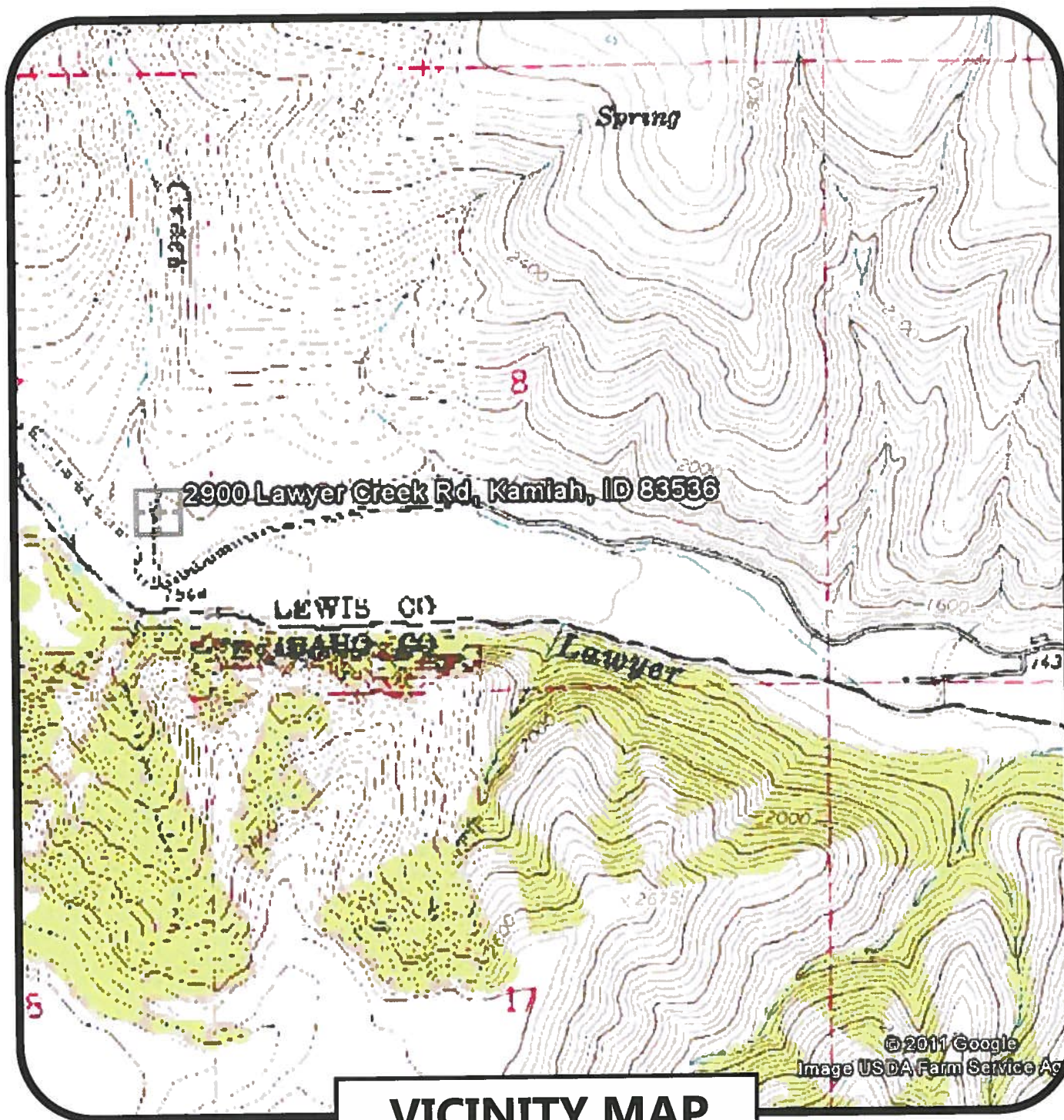
Sincerely,

Enviro Assess



James Robinson, B.S.
P.G. 1334





VICINITY MAP

1979 - USGS

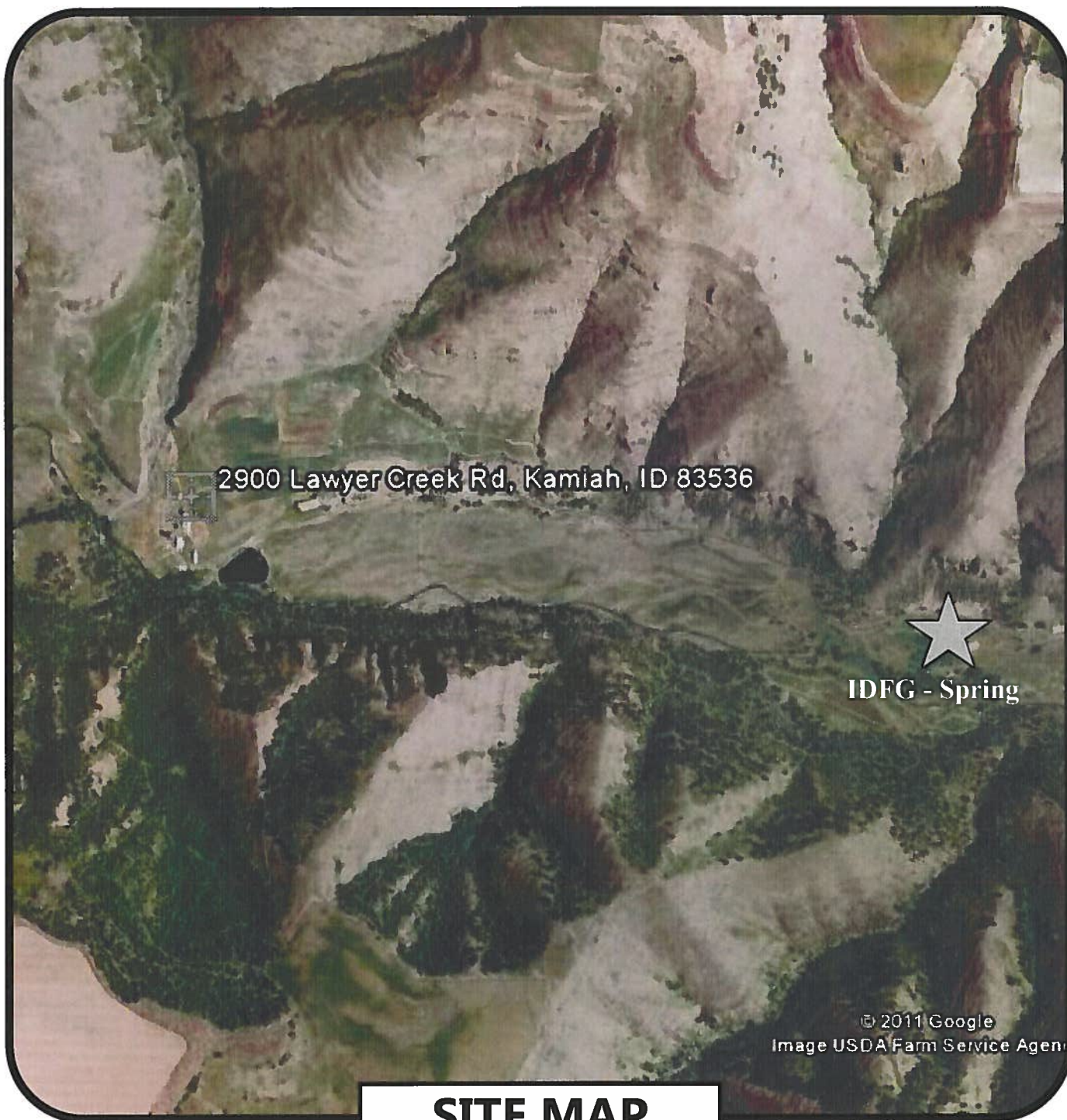


J.O. 2011 - 1097
DATE: SEPT. 19, 2011
PLATE: A1

GEOLOGICAL ASSESSMENT
2900 LAWYER CREEK ROAD
KAMIAH, IDAHO 83836



PHONE (877) 629-6838
FAX (877) 623-5493



2900 Lawyer Creek Rd, Kamiah, ID 83536



IDFG - Spring

© 2011 Google
Image USDA Farm Service Agency

SITE MAP

2009 - GOOGLE



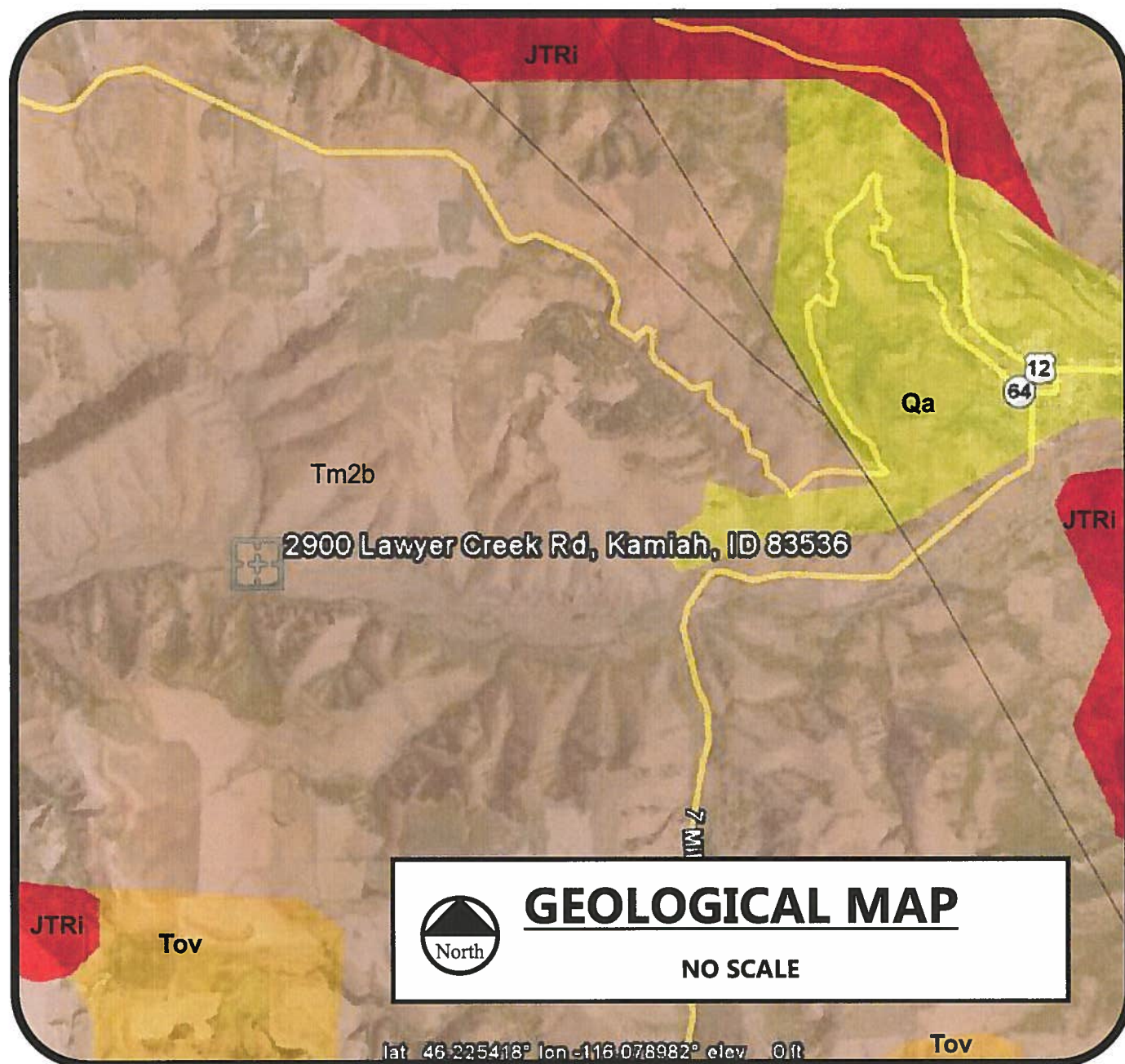
J.O. 2011 - 1097
DATE: SEPT. 19, 2011
PLATE: A2

GEOLOGICAL ASSESSMENT

2900 LAWYER CREEK ROAD
KAMIAH, IDAHO 83836



PHONE (877) 629-6838
FAX (877) 623-5493



Tm2b; Tm?b: Basalt lava flows; Middle Miocene flood-basalt flows of subunit 2b; Columbia Plateau (Miocene) Miocene basalt flows of western Idaho; commonly finely crystalline and exposed on upper slopes.

Qa: Gravel, sand, and silt; Quaternary; alluvium (Quaternary). Quaternary alluvium; may contain some glacial deposits and colluvium in uplands

JTRi; Ki?; KJi; PC; pKi: Quartz diorite, tonalite, granodiorite, orthogneiss, migmatite; Cretaceous to Jurassic quartz dioritic plutons; western Idaho, Blue Mountains island-arc complex (Early Cretaceous to Late Jurassic) Lower Cretaceous to Upper Jurassic intrusions in west-central Idaho.

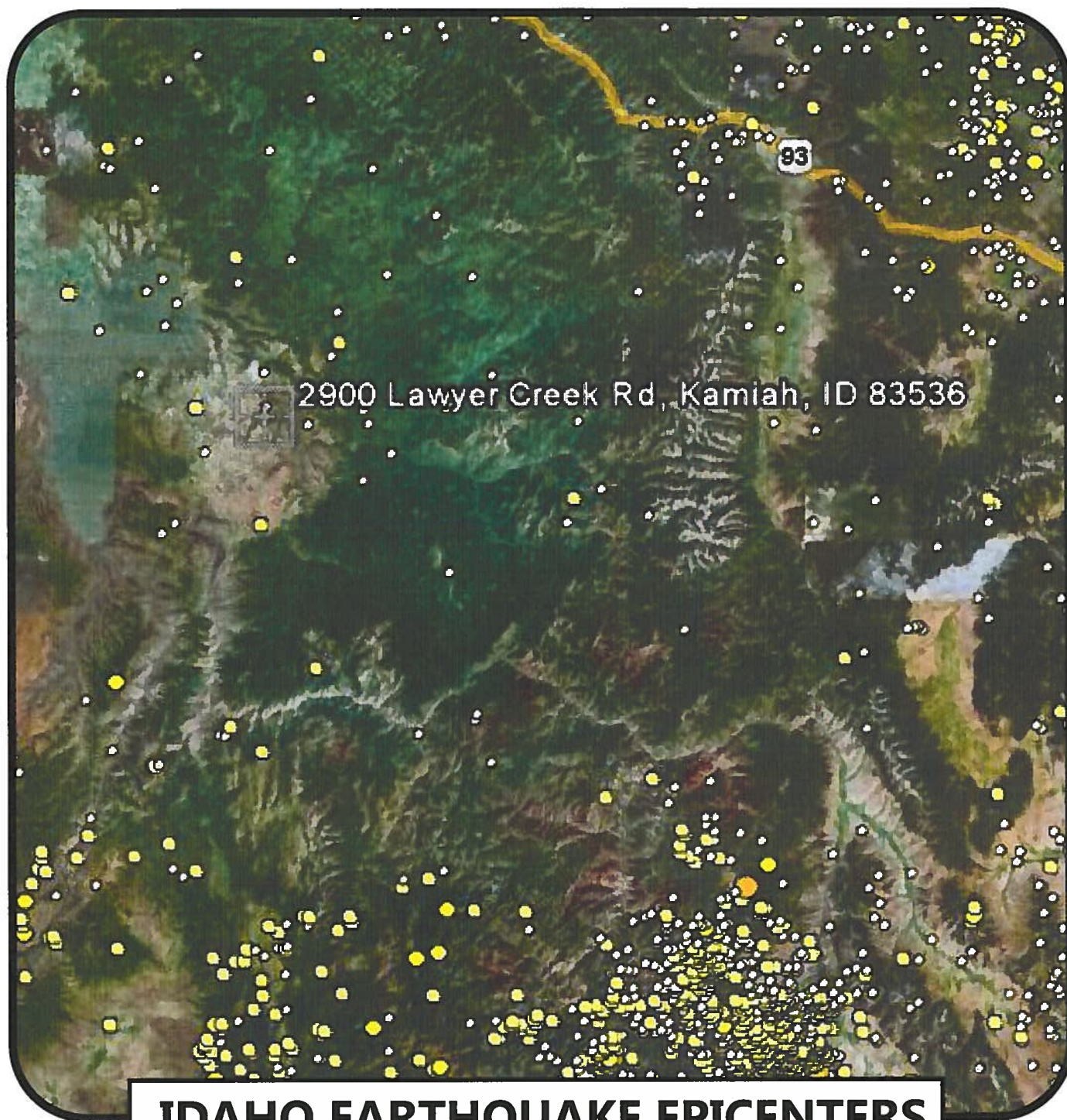
Tov: Rhyolite, andesite, dacite, quartz latite; Oligocene to Eocene volcanics; northern Idaho; (Paleogene, possibly Oligocene) Lower Tertiary, possibly Oligocene, flows and tuffs of northern Idaho.

J.O. 2011 - 1097
DATE: SEPT. 19, 2011
PLATE: A3

GEOLOGICAL ASSESSMENT
2900 LAWYER CREEK ROAD
KAMIAH, IDAHO 83836



PHONE (877) 629-6838
FAX (877) 623-5493



IDAHO EARTHQUAKE EPICENTERS

IDAHO GEOLOGICAL SURVEY



J.O. 2011 - 1097
DATE: SEPT. 19, 2011
PLATE: A4

GEOLOGICAL ASSESSMENT
2900 LAWYER CREEK ROAD
KAMIAH, IDAHO 83836



PHONE (877) 629-6838
FAX (877) 623-5493

2900 Lawyer Creek Rd, Kamiah, ID 83536



30

Image State of Oregon
Image USDA Farm Service Agency
Europa Technologies
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GEOHERMAL RESOURCES

Enhanced Geothermal Systems



J.O. 2011 - 1097

DATE: SEPT. 19, 2011

PLATE: A5

GEOLOGICAL ASSESSMENT

2900 LAWYER CREEK ROAD
KAMIAH, IDAHO 83836

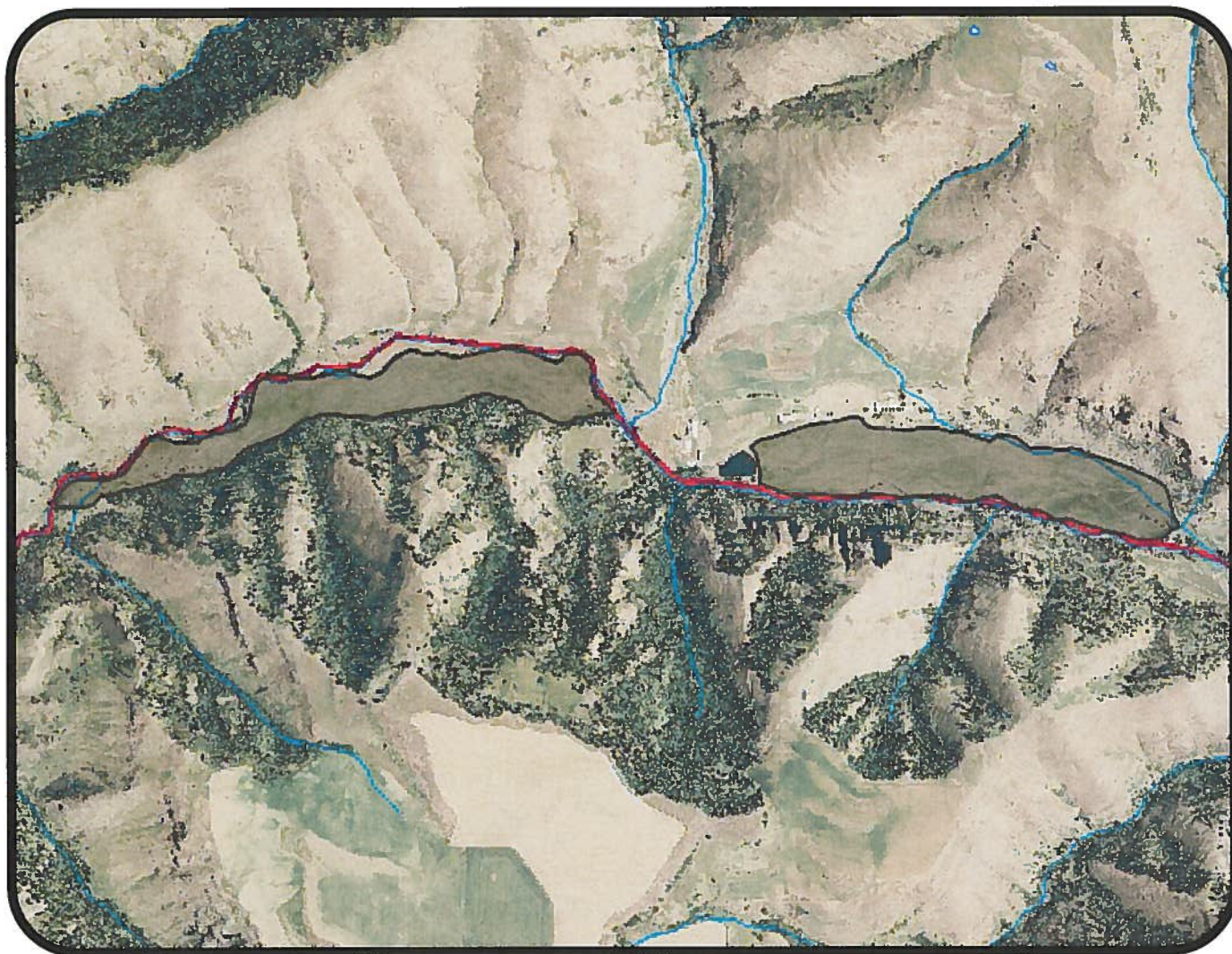
**ENVIRO
ASSESS**

Environmental • Hydro • Geology

ASSESSMENTS MADE SIMPLE

PHONE (877) 629-6838

FAX (877) 623-5493



HIGHLIGHTED AREA - Water Right Area for Robert C Burlingame, Flying B Ranch

WATER RIGHT MAP

Idaho Department of Water Resources

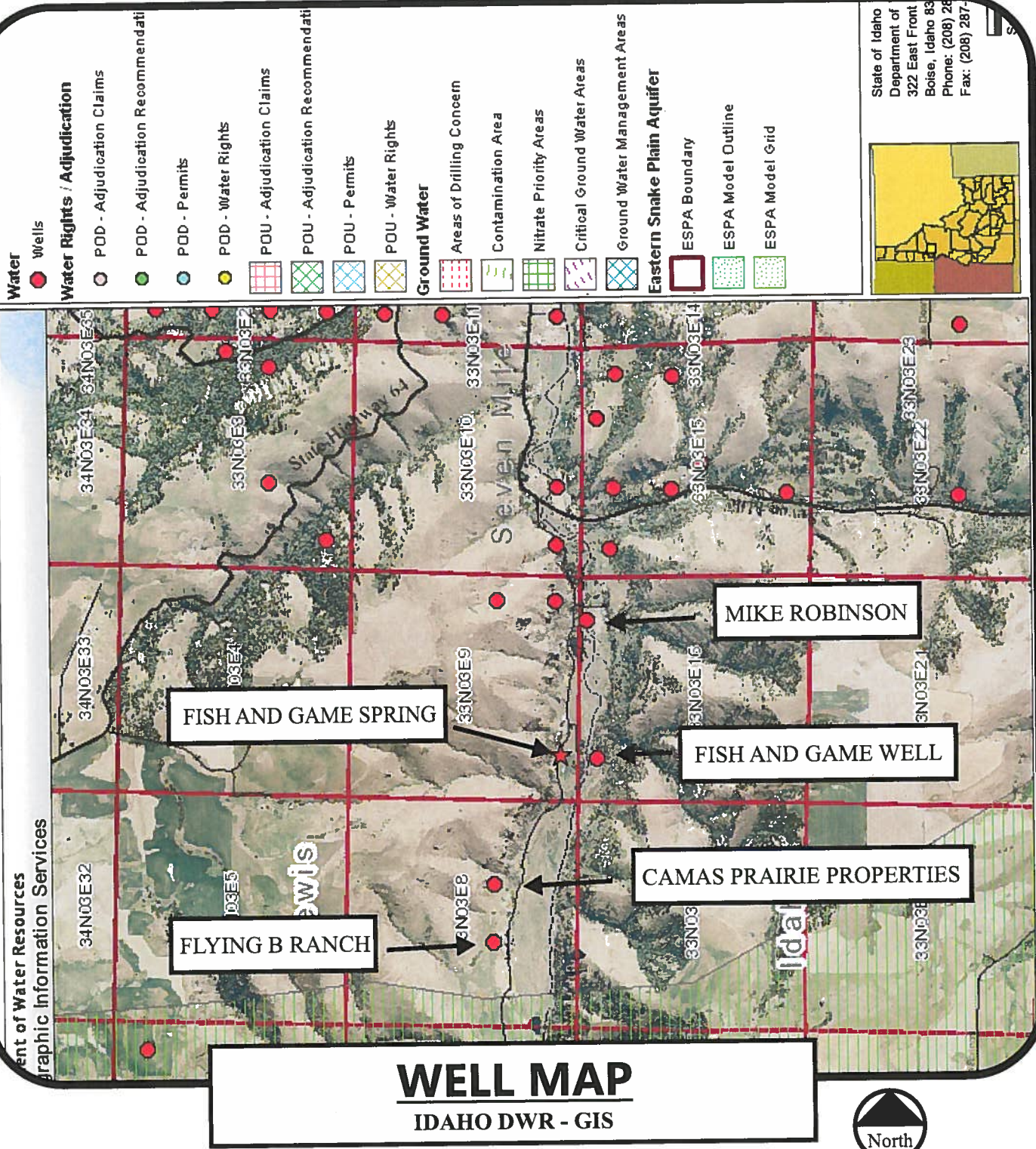


J.O. 2011 - 1097
DATE: SEPT. 19, 2011
PLATE: A6

GEOLOGICAL ASSESSMENT
2900 LAWYER CREEK ROAD
KAMIAH, IDAHO 83836



PHONE (877) 629-6838
FAX (877) 623-5493



J.O. 2011 - 1097
DATE: SEPT. 19, 2011
PLATE: A7

GEOLOGICAL ASSESSMENT
2900 LAWYER CREEK ROAD
KAMIAH, IDAHO 83836



PHONE (877) 629-6838
FAX (877) 623-5493

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

9/18/2011

WATER RIGHT NO. 85-7444

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	ROBERT C BURLINGAME FLYING B RANCH 2900 LAWYER CREEK RD KAMIAH, ID 83536 (208)935-0755

Priority Date: 10/21/1987

Basis: License

Status: Active

<u>Source</u>	<u>Tributary</u>
LAWYER CREEK	CLEARWATER RIVER

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	03/15	11/15	3.1 CFS	466 AFA
Total Diversion			3.1 CFS	

Location of Point(s) of Diversion:

LAWYER CREEK|SESE|Sec. 14|Township 33N|Range 02E|LEWIS County|

Place(s) of use:

Place of Use Legal Description: IRRIGATION LEWIS County

<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>	<u>Lot</u>	<u>Tract</u>	<u>Acres</u>
33N	02E	12		NESE	4.8		SWSE	8.4		SESE	9.6			
	03E	7		NESW	18		NWSW	15		SWSW	0.1			
				NWSE	16									
		8		NESW	4.9		NWSW	3.3		SWSW	15		SESW	19
				NWSE	1.1		SWSE	22		SESE	18			

Total Acres: 155.2

Conditions of Approval:

1.	R62	This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.0 afa per acre at the field headgate for irrigation of the lands above.
----	-----	---

Dates:

Licensed Date: 02/11/2010

Decreed Date:

Permit Proof Due Date: 10/1/1990

Permit Proof Made Date: 12/10/1990

Permit Approved Date: 9/28/1987

Permit Moratorium Expiration Date:

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Water Supply Bank Enrollment Date Accepted:

Water Supply Bank Enrollment Date Removed:

Application Received Date: 08/10/1987

Protest Deadline Date:

Number of Protests: 0

Other Information:

State or Federal:

Owner Name Connector:

Water District Number:

Generic Max Rate per Acre: 0.02

Generic Max Volume per Acre: 3

Civil Case Number:

Old Case Number:

Decree Plaintiff:

Decree Defendant:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False

Close

[Close](#)IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

9/19/2011

WATER RIGHT NO. 85-11789

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	STATE OF IDAHO DEPT OF FISH & GAME PO BOX 25 BOISE, ID 83707 (208)334-3700

Priority Date: 12/31/1952

Basis: Decreed

Status: Active

<u>Source</u>	<u>Tributary</u>
SPRINGS	LAWYER CREEK

<u>Beneficial Use</u>	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
FISH PROPAGATION	1/01	12/31	0.8 CFS	
Total Diversion			0.8 CFS	

Location of Point(s) of Diversion:

SPRINGS	SESWSW	Sec. 09	Township 33N	Range 03E	LEWIS County
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Place(s) of use:

Place of Use Legal Description: FISH PROPAGATION LEWIS County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
33N	03E	9 16		SWSW NWNW										

Conditions of Approval:

1.	C18	This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.
----	-----	---

Dates:

Licensed Date:

Decreed Date: 08/18/2005

Enlargement Use Priority Date:

Enlargement Statute Priority Date:

Water Supply Bank Enrollment Date Accepted:

Water Supply Bank Enrollment Date Removed:

Application Received Date:

Protest Deadline Date:

Number of Protests: 0

Other Information:

State or Federal: S

Owner Name Connector: AND

Water District Number:

Generic Max Rate per Acre:

Generic Max Volume per Acre:

Civil Case Number:

Old Case Number:

Decree Plaintiff:

Decree Defendant:

Swan Falls Trust or Nontrust:

Swan Falls Dismissed:

DLE Act Number:

Cary Act Number:

Mitigation Plan: False

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only			
Well ID No.			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	1/4
Lat	:	Long	:

1. WELL TAG NO. D 00 41142
DRILLING PERMIT NO. 838186
Water Right or Injection Well No. _____

2. OWNER:
Name Comas Prairie Properties
Address 3546 Riverside Ave
City Rialto State CA Zip 92377

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 33 North ☒ or South ☐
Rge. 3 East ☒ or West ☐
Sec. 8 1/4 NW 1/4 SE 1/4
Gov't Lot _____
Lat: _____ Long: _____
Address of Well Site 1 Mile up Lawryens Ck Road
City KUMIAH

(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	30	650#	Top Pour

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 200'
Was drive shoe seal tested? ☒ Y ☐ N How? Air Pressure

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8"	12	-198	250	Steel	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____
Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method Torch Slots
Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
-130	-190	1/4x4	80	8"	Steel	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

85 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

Top of casing
33 N 3E 8

12. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
9.00			1.5

Water Temp. 56° Bottom hole temp. _____

Water Quality test or comments: Good

Depth first Water Encounter 201'

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10"	0	30	Brown Soft Wetted BSLT		
8"	30	68	Soft Black BSLT		
8"	68	160	Hard Black BSLT		
8"	160	180	Soft Black BSLT		
8"	180	225	Black Porous BSLT	X	

RECEIVED
FEB 13 2006
IDWR/North

Completed Depth 190 (Measurable)
Date: Started 1-24-06 Completed 1-31-06

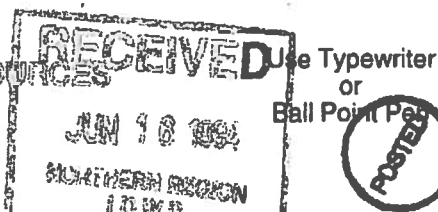
14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name HALEKOTT DRILLING Firm No. 125
Principal Driller Jim Halerott Date 2-11-06
and Driller or Operator II Bob Halerott Date 2-11-06
Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT



1. DRILLING PERMIT NO. 95-24-21-28-070
OWNER/DWR NO. _____

2. OWNER:

Name Flynn B. Lynch
Address Rt 1 Box 122
City Easton Pa PA 18045

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.


 T. 72 North ☒ South ☐
 R. 7 East ☒ West ☐
 Sec. 5 25E 14N 5E 1/4 1/4
 Gov't Loc. _____ County Garfield

Address of Well Site Lawton Creek Canyon RD
Lawton, CA
(Give full street direction + reference to road if not known)

Lot No. _____ Block No. _____ Sect. Name _____

4. PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Weather ☐ Hydration
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replace/Revent ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

BEAL FILTER PAGE			AMOUNT	METHOD
INITIALS	FROM	TO	BEAL OR FILLING	
Beaton, R.	0	27	563	Painted

Was drive shoe seal tested? ☒ YES ☐ NO How? Visual

2. CASING/LINER:

Character	Percent	Ts	Country	Category	Level	Class	First	Second	Third
8	71	53	75	-		☐	☐	☐	☐
6	55	48	25			☐	☒	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes 527

Top Pocket or Headpipe Bottom Tailpipe Yes

8. PERFORATIONS/SCHEMATIC

☒ **Perforations** Method Shot & Seal
☐ **Greens** Type Horizontal

From	To	Cost Size	Number	Diameter	Thrust Sec Size	Quantity	Line
405	305	250	100	6	1	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

NE SW 8 33N 3E

10. WELL TESTS:

☐ Pump ☐ Boiler ☒ Flowing Artesian

Yield gal./min.	Barometric Pressure	Water Depth	Time
40		100	3 hrs

Temperature of water 57.5°F. When a water test is done? Yes ☐ No ☒

Hydrogen?

Water Quality Index (WQI) 6.0

Bottom Hole Temperature 57.05

11. STATIC MEMBERS

1 ft. below surface Depth at which first found

Arterial pressure 110/70 mm Hg. C. Dexamethasone 4 mg po qid. Wc 44.5 kg.

Describe Controlling Devices:

12. LITHOLOGIC LOG: (Describe contents or abandonment)

Core Dia.	From	To	Remarks: Lithology, Water Content & Temperature	GPM	SWL
16-1	0	2	Clay		
16-2	3	5	Basalt Basalt		
16-3	5	10	Basalt		
16-4	10	15	Clay		
16-5	15	20	Basalt	40	

APR 08 1974

Date Started 5/10/74 Completed 5/12/74

13. DRILLER'S CERTIFICATION

We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name 3rd of 6/17/77 Firm No. 103

Firm Official [Signature] Date 5/17/84

and

Supervisor or Operator [Signature] Date 5/17/94

(Note: ∇ is the gradient operator)

1. WELL OWNER DEPT OFName Fish - GameAddress AdamsOwner's Permit No. 85-88-1-03

7. WATER LEVEL

Static water level 15 Department of Water Resources
Feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow —
Artesian closed-in pressure — p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 52 °F. Quality Good
Describe situation or temperature again below.

2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Bailor ☒ Air ☐ Other —

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>9</u>	<u>178</u>	<u>1/2</u>

3. PROPOSED USE

- ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other — (specify type)

4. METHOD DRILLED

- ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Aug ☐ Other —

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other Steel

Thickness	Diameter	From	To
<u>2 1/2</u> inches	<u>6</u> inches + <u>2</u> feet	<u>19</u> feet	<u>19</u> feet
<u>2 1/2</u> inches	<u>4</u> inches - <u>6</u> feet	<u>128</u> feet	<u>128</u> feet

Was casing drive shoe used? ☒ Yes ☐ NoWas a pecker or seal used? ☐ Yes ☒ NoPerforated? ☒ Yes ☐ No SKILHow perforated? ☐ Factory ☐ Knife ☒ PunchSize of perforation 2 1/2 inches by 6 inches

Number	From	To
<u>400</u> perforations	<u>128</u> feet	<u>138</u> feet

Well screen installed? ☐ Yes ☒ NoManufacturer's name —Type — Model No. —Diameter — Slot size — Set from — feet to — feetDiameter — Slot size — Set from — feet to — feetGravel packed? ☐ Yes ☒ No ☐ Size of gravel —Placed from — feet to — feetSurface seal depth 2 1/2 Material used in seal: ☐ Cement grout☒ Bentonite ☐ Pudding clay ☐ —Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☐ Overhead to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Connected between stringsDescribe access port Well Seal CAN BRREMOVED

10.

Work started 2/1/88 finished 2/11/88

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name BURNS WELL DRILLING Firm No. 103Address ROUTE 2 BOX 615
GRANDVILLE IDAHO 83428 2/16/88

6. LOCATION OF WELL

Sketch map location next agree with written location.Substation Name —REMOVED



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 N. Mineral Drive, Suite 100 • Coeur d'Alene, Idaho 83815
Phone: (208) 762-2800 • Fax: (208) 762-2819 • Web Site: www.idwr.idaho.gov

July 21, 2011

C. L. "BUICH" OTTIE
Governor

GARY SPACKMAN
Interim Director

Joseph Peterson
C/o Flying B Ranch
2900 Lawyer Creek Rd
Kamiah, ID 83536

Re: Application For Permit to Appropriate the Public Waters of the State of Idaho
No. 85-15683

Dear Mr. Peterson:

As per our telephone conversation on July 18, 2011, the application for Flying B Ranch came out of advertising without a protest being filed. Even though the Department of Fish & Game didn't file a protest, the Idaho Department of Water Resources (IDWR) has to consider their concerns. Therefore, before a permit can be issued on the above mentioned application IDWR is going to require a report from a qualified consultant that addresses the following:

A determination as to the affect, if any, on Lawyer Creek if all or a part of water usage is substituted from Lawyer Creek, under license 85-7444 and used instead from a ground water source located in the SE1/4SE1/4 of Section 7, Township 33 North, Range 03 East, Boise Meridian.

Secondly, an analysis as to the affect to a spring, if any, used by the Idaho Department of Fish & Game for Right 85-11789 located in the SE1/4SW1/4SW1/4 of Section 9, Township 33 North, Range 03 East, Boise Meridian, if ground water is used under application 85-15683.

If adverse impacts are identified, corrective solutions should be outlined and discussed including mitigation efforts.

Please provide this information within the next 90 days so as not to further delay processing. If you have any questions, feel free to contact me at this office.

Thank you.

Sincerely,

Keith E Franklin
Interim Regional Program Manager